INDEX

Antonia, R. A., Satyaprakash, B. R. & Hussain, A. K. M. F. Statistics of fine-scale velocity in turbulent plane and circular jets, 55–89

Bartels, F. Taylor vortices between two concentric rotating spheres, 1–25

Batchelor, G. K. Sedimentation in a dilute polydisperse system of interacting spheres. Part 1. General theory, 379–408

Bearman, P. W. & Obasaju, E. D. An experimental study of pressure fluctuations on fixed and oscillating square-section cylinders, 297–321

Bedford, A. *See* Drumheller, Kipp & Bedford

Chandler, R., Koplik, J., Lerman, K. & Willemsen, J. F. Capillary displacement and percolation in porous media, 249–267

Chong, M. S. *See* Perry & Chong

Drumheller, D. S., Kipp, M. E. & Bedford, A. Transient wave propagation in bubbly liquids, 347–365

Goldshtik, M. A., Zametalin, V. V. & Shtern, V. N. Simplified theory of the near-wall turbulent layer of Newtonian and drag-reducing fluids, 423–441

Green, J. & Jones, W. M. Couette flow of dilute solutions of macromolecules: embryo cells and overstability, 491–505

Grötzbach, G. Direct numerical simulation of laminar and turbulent Bénard convection, 27–53

Hashimoto, S. *See* Kataoka, Kamiyama, Hashimoto & Komai

Hernan, M. A. & Jimenez, J. Computer analysis of a high-speed film of the plane turbulent mixing layer, 323–345

Ho, C.-M. & Huang, L.-S. Subharmonics and vortex merging in mixing layers, 443–473

Huang, L.-S. *See* Ho & Huang

Hussain, A. K. M. F. *See* Antonia, Satyaprakash & Hussain

Jimenez, J. *See* Hernan & Jimenez

Jones, W. M. *See* Green & Jones

Kamiyama, Y. *See* Kataoka, Kamiyama, Hashimoto & Komai

Kataoka, K., Kamiyama, Y., Hashimoto, S. & Komai, T. Mass transfer between a plane surface and an impinging turbulent jet: the influence of surface-pressure fluctuations, 91–105

Kipp, M. E. *See* Drumheller, Kipp & Bedford

Kishimoto, T. *See* Nakabayashi, Yamada & Kishimoto

Klostermeyer, J. On parametric instabilities of finite-amplitude internal gravity waves, 367–377

Komai, T. *See* Kataoka, Kamiyama, Hashimoto & Komai

Koplik, J. Creeping flow in two-dimensional networks, 219–247

Koplik, J. *See* Chandler, Koplik, Lerman & Willemsen

Lerman, K. *See* Chandler, Koplik, Lerman & Willemsen

McIver, P. Stationary waves in a laboratory flume, 283–296

Masliyah, J. H. *See* Nandakumar & Masliyah

Milder, D. M. Hamiltonian dynamics of internal waves, 269–282

Müller, U. R. Measurement of the Reynolds stresses and the mean-flow field in a three-dimensional pressure-driven boundary layer, 121–153

Müller, U. R. On the accuracy of turbulence measurements with inclined hot wires, 155–172

Nakabayashi, K., Yamada, T. & Kishimoto, T. Viscous frictional torque in the flow between two concentric rotating rough cylinders, 409–422

INDEX

Antonia, R. A., Satyaprakash, B. R. & Hussain, A. K. M. F. Statistics of fine-scale velocity in turbulent plane and circular jets, 55–89

Bartels, F. Taylor vortices between two concentric rotating spheres, 1–25

Batchelor, G. K. Sedimentation in a dilute polydisperse system of interacting spheres. Part 1. General theory, 379–408

Bearman, P. W. & Obasaju, E. D. An experimental study of pressure fluctuations on fixed and oscillating square-section cylinders, 297–321

Bedford, A. *See* Drumheller, Kipp & Bedford

Chandler, R., Koplik, J., Lerman, K. & Willemsen, J. F. Capillary displacement and percolation in porous media, 249–267

Chong, M. S. *See* Perry & Chong

Drumheller, D. S., Kipp, M. E. & Bedford, A. Transient wave propagation in bubbly liquids, 347–365

Goldshtik, M. A., Zametalin, V. V. & Shtern, V. N. Simplified theory of the near-wall turbulent layer of Newtonian and drag-reducing fluids, 423–441

Green, J. & Jones, W. M. Couette flow of dilute solutions of macromolecules: embryo cells and overstability, 491–505

Grötzbach, G. Direct numerical simulation of laminar and turbulent Bénard convection, 27–53

Hashimoto, S. *See* Kataoka, Kamiyama, Hashimoto & Komai

Hernan, M. A. & Jimenez, J. Computer analysis of a high-speed film of the plane turbulent mixing layer, 323–345

Ho, C.-M. & Huang, L.-S. Subharmonics and vortex merging in mixing layers, 443–473

Huang, L.-S. *See* Ho & Huang

Hussain, A. K. M. F. *See* Antonia, Satyaprakash & Hussain

Jimenez, J. *See* Hernan & Jimenez

Jones, W. M. *See* Green & Jones

Kamiyama, Y. *See* Kataoka, Kamiyama, Hashimoto & Komai

Kataoka, K., Kamiyama, Y., Hashimoto, S. & Komai, T. Mass transfer between a plane surface and an impinging turbulent jet: the influence of surface-pressure fluctuations, 91–105

Kipp, M. E. *See* Drumheller, Kipp & Bedford

Kishimoto, T. *See* Nakabayashi, Yamada & Kishimoto

Klostermeyer, J. On parametric instabilities of finite-amplitude internal gravity waves, 367–377

Komai, T. *See* Kataoka, Kamiyama, Hashimoto & Komai

Koplik, J. Creeping flow in two-dimensional networks, 219–247

Koplik, J. *See* Chandler, Koplik, Lerman & Willemsen

Lerman, K. *See* Chandler, Koplik, Lerman & Willemsen

McIver, P. Stationary waves in a laboratory flume, 283–296

Masliyah, J. H. *See* Nandakumar & Masliyah

Milder, D. M. Hamiltonian dynamics of internal waves, 269–282

Müller, U. R. Measurement of the Reynolds stresses and the mean-flow field in a three-dimensional pressure-driven boundary layer, 121–153

Müller, U. R. On the accuracy of turbulence measurements with inclined hot wires, 155–172

Nakabayashi, K., Yamada, T. & Kishimoto, T. Viscous frictional torque in the flow between two concentric rotating rough cylinders, 409–422

Nandakumar, K. & Masliyah, J. H. Bifurcation in steady laminar flow through curved tubes 475–490

Obasaju, E. D. *See* Bearman & Obasaju

Perry, A. E. & Chong, M. S. On the mechanism of wall turbulence, 173–217

Pullin, D. I. Numerical studies of surface-tension effects in nonlinear Kelvin–Helmholtz and Rayleigh–Taylor instability, 507–532

Ruschak, K. J. Boundary conditions at a liquid/air interface in lubrication flows, 107–120

Satyaprakash, B. R. *See* Antonia, Satyaprakash & Hussain

Shtern, V. N. *See* Goldshtik, Zametalin & Shtern

Willemsen, J. F. *See* Chandler, Koplik, Lerman & Willemsen

Yamada, Y. *See* Nakabayashi, Yamada & Kishimoto

Zametalin, V. V. *See* Goldshtik, Zametalin & Shtern

REVIEWS

Hydrodynamic Instabilities and the Transition to Turbulence, edited by H. L. Swinney and J. P. Gollub; Transition and Turbulence, edited by R. E. Meyer; Chaos and Order in Nature, edited by H. Haken, 533–535